

KULYABKO, Ye., elektromekhanik

Modernizing the electrical equipment of "Rodina"-type ships.
Rech, transp. 22 no.4:21-23 Ap '63. (MIRA 16:4)

1. Teplokhod "T. G. Shevchenko".

(Electricity on ships)

KULYABKO, Ye., elektromekhanik

Modernizing the electrical equipment and "Rodina"-type ships.
Rech. transp. 22 no.5:32-33 My '63. (MIRA 16:8)

1. Teplokhod "T.G. Shevchenko."
(Electricity on ships)

KULYABKO YE. S.

SMIRNOV, V.I.; KULYABKO, Ye.S.; LIENIK, Yu.S.; ZAYCHIK, N.K., redaktor;
ARONS, R.A., tekhnicheskiiy redaktor.

[Mikhail Sofronov, Russian mathematician of the middle of the
18th century] Mikhail Sofronov, russkii matematik serediny XVIII
veka. Moskva, Izd-vo Akademii nauk SSSR, 1954. 51 p. (MLRA 7:11)
(Sofronov, Mikhail, 1729-1760)

USSR/ Miscellaneous - Education

Card 1/1 Pub. 124 - 11/39

Authors : Kulyabko, Ye. S.

Title : Lomonosov's regulations for Moscow's intermediate schools

Periodical : Vest. AN SSSR 25/5, 58 - 62, May 1955

Abstract : Historical notes are presented on Lomonosov's work in connection with the founding and organization of Russian and Soviet intermediate schools. The necessary in order to provide candidates for enrollment in the university which bears his name. The original text of Lomonosov's draft of the intermediate school regulations and the published version are presented in parallel columns. (S)

Institution :

Submitted :

KULYABKO, Ye.S.

College years of Academician Vasilii Zuev (from unpublished archival materials of the Academy of Sciences of the U.S.S.R.). Trudy Inst. 1st.est.1 tekhn. 16:49-60 '57. (MIRA 10:10)
(Zuev, Vasilii Fedorovich, 1754-1794)

KULYABKO, Ye.S. (Leningrad)

N.I. Pirogov and the Academy of Sciences. Sov. med. 25 no.9:143-144
S '61. (MIRA 15:1)

(PIROGOV, NIKOLAI IVANOVICH, 1810-1881)

KULYABKO, Yelena Sergeyevna; PREDTECHENSKIY, A.V., doktor istorich.
nauk, otv. red.; MIKHILIN, Ye.I., red. izd-va; KONDRAT'YEVA,
M.N., tekhn. red.

[M.V.Lomonosov and the educational activity of the Peterburg
Academy of Sciences] M.V.Lomonosov i uchebnaia deiatel'nost'
Peterburgskoi Akademii nauk. Moskva, Izd-vo Akad. nauk SSSR,
1962. 214 p. (MIRA 15:3)
(Lomonosov, Mikhail Vasil'evich, 1711-1765)

KULYABKO, Ye.S., kand.istoricheskikh nauk

N.N. Zinin and the Academy of Sciences. Vest. AN SSSR 32 no.9:118-119 S '62. (MIRA 15:9)

(Zinin, Nikolai Nikolaevich, 1812-1880)

KULYABKO, Ye.S.; CHERNIKOV, A.M.

The first corresponding member of the Academy of Sciences; on
the 250th anniversary of the birth of P.I. Rychkov. Vest. AN
SSSR 32 no.10:90-93 0 '62. (MIRA 15:10)
(Rychkov, Petr Ivanovich, 1712-1777)

KULYABKO, Ye.S., kand. istoricheskikh nauk

N.K. Krupskaya and I.P. Pavlov on the dissemination of science;
unpublished documents. Vest. AN SSSR 35 no.9:117-119 '65.
(MIRA 18:9)

KULYAGIN, K., inzh.

How we service the ZhR-4 radio station. Avtom., telem. i sviaz'

2 no.5:26 My '58.

(MIRA 11:5)

1. Laboratoriya signalizatsii i svyazi Severo-Kavkazskoy dorogi.
(Radio stations--Maintenance and repair)

KULYAGIN, K.M.

Recording the principal parameters of a TU-50 amplifier. Avtom.telem.
i svyaz' 4 no.11:37-39 N '60. (MIRA 13:11)

1. Starshiy inzhener laboratorii signalizatsii i svyazi Severo-
Kavkaskoy dorogi.
(Railroads--Communication systems)
(Amplifiers, Electron-tube)

KULYAGIN, K.M., starshiy inzh.; TIMOFEYEV, I.Z., starshiy elektromekhanik;
SHVETS, A.M., elektromekhanik

Use of a wave-guiding line in the communication system between car
checkers. Avtom., telem. i svyaz'5 no.5:37-38 My '61.

(MIRA 14:6)

1. Laboratoriya signalizatsii i svyazi Severo-Kavkazskoy dorogi
(for Kulyagin).
2. Batayskaya distantsiya signalizatsii i svyazi
(for Timofeyev).

(Railroads—Communication systems)

KULYAGIN, K.M., starshiy inzh.

How we have built railroad radio communication systems.

Avtom., telem. i sviaz' 5 no.10:39 0 '61. (MIRA 14:9)

1. Laboratoriya signalizatsii i svyazi Severo-Kavkazskoy
dorogi.

(Railroads--Communication systems)

KULYAGIN, K.M., starshiy inzh.

Measurement of current in an equivalent antenna of the ZhR-3
receiver-transmitter. Avtom., telem.i svyaz' 6 no.1:33 Ja '62.
(MIRA 15:3)

1. Laboratoriya signalizatsii i svyazi Severo-Kavkazskoy dorogi.
(Railroads---Communication systems)

KULYAGIN, K.M., starshiy inzh.

Control of dispatching retransmission in train communications.
Avtom., telem.i svyaz' 6 no.5:42 My '62. (MIRA 15:4)

1. Laboratoriya signalizatsii i svyazi Severo-Kavkazskoy dorogi.
(Railroads---Communication systems)

KULYAGIN, K.M.

Two improvements of the networks of ShRPS-IV apparatus. Avtom., telem.
i sviaz' 7 no.2:42 F '63. (MIRA 16:3)

1. Starshiy inzh. laboratorii signalizatsii i svyazi Severo-Kavkazskoy
dorogi.
(Railroads—Electronic equipment) (Railroads—Communication systems)

KULYAGIN, K.M., inzh.

Conversion of the ZhK-3 transmitter to operation on 2130 kc.
Avtom., telen. i sviaz' 3 no.8:28 Ag '64. (ETA 17:10)

1. Laboratoriya signalizatsii i svyazi Severo-Kavkazskoy dorogi.

KULYAGIN, K.M.

Organization of train radio communication in a.c. electrified districts. Avtom., telem. i svyaz' 9 no.11:31-32 N '65.

(MIRA 18:12)

1. Starshiy inzh. laboratorii signalizatsii i svyazi Severo-Kavkazskoy dorogi.

KUZYAKO, M.P., inzh.

Safety measures against self-ignition of milled peat.
Torf.prom. 37 no.1:3-5 '60. (MIRA 13:6)

1. Shaturaskiy torfotrest.
(Shatura--Peat industry--Safety measures)

KULYAKO, M.P., inzh.

Production of semibriquets. Torf.prom, 38 no.2:14-16'61.

(MIRA 14:3)

1. Shaturskiy torfotrest.
(Moscow Province—Peat)

KULYAKO, M.P., inzh.

Industrial experience in operating BPF-2 pneumatic combines. Torf.
prom. 38 no. 3:21-23 '61. (MIRA 14:4)

1. Shaturskiy torfotrest Mosoblsovnarkhoza.
(Peat machinery)

KULYAKO, M. P., inzh.

Experience in the operation of MPG-1,1 machines. Torf. prom.
40 no.3:1-4 '63. (MIRA 16:4)

1. Shaturskiy torfotrest.

(Peat machinery)

L 2139-65 EWT(m)/EWP(q)/EWP(b) ASD(m)-3 JD
ACCESSION NR: AP4041685

S/0153/64/007/002/0313/0319

AUTHOR: Kozulin, N. A.; Kulyamin, A. F.

TITLE: Process of mixing powdered materials in a fluidized bed.

SOURCE: Izvuz. Khimiya i khimicheskaya tekhnologiya, V. 7, no. 2, 1964, 313-319

TOPIC TAGS: fluidized bed, mixing, powdered material, channeling prevention, apparatus, fluidizing rate, material loss

ABSTRACT: A fluid bed method, including a means of preventing channel formation, was worked out for mixing highly dispersed powdered materials. The apparatus that was constructed assures a high degree of uniformity in the mixture after a short mixing time and with low power consumption (on the order of 0.3 kwatt-hr./1 ton mix). Channel formation is prevented by a 2-paddle mixer rotating at 20-60 rev./min. and positioned immediately over the gas distributing device (grid). Experiments were run with PbO, ZnO, BaSO₄, TiO₂, and MgO on columns of 30, 200 and 300 mm. diameter. Graphs are included showing calculations on power consumption by the agitator, critical rate of fluidizing the finely dispersed materials in the

Cord 1/2

L 2139-65

ACCESSION NR: AP4041685

presence of the agitator, and the geometric dimensions of the apparatus and agitator paddles (relationship between apparatus diameter and paddle length, and between the height and diameter of circle described by the paddle). Material loss from the apparatus does not exceed 1.5-2%, and inclusion of a filter of cotton "belting" almost completely eliminates this loss. Orig. art. has: 7 figures, 7 equations and 1 table.

ASSOCIATION: Leningradskiy tekhnologicheskii institut im. Lensovyeta (Leningrad Technological Institute) Kafedra oborydovaniya khimicheskikh zavodov (Department for Equipping Chemical Plants)

SUBMITTED: 16Apr63

DATE: 03

ENCL: 00

SUB CODE: GC

NO REF SOV: 004

OTHER: 002

Card 2/2

S/081/62/000/023/070/120
B144/B186

AUTHORS: Frolova, Ye. G., Shapiro, I. Ye., Kulyamina, L. L.

TITLE: Glass coatings on steel tubes

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1962, 499 - 500,
abstract 23K478 (Steklo. Byul. Gos. n.-i. in-ta stekla,
no. 3(112), 1961, 36 - 44)

TEXT: A method has been developed by the laboratoriya proiz-va steklyannykh trub In-ta stekla (Laboratory for Glass Tube Production of the Glass Institute) together with the Ukrainskiy nauchno-issledovatel'skiy trubnyy in-t (Ukrainian Scientific Research Institute for Tubes) for preparing the surfaces of steel tubes for the application of glass coatings. A procedure has been elaborated for coating the inner surface of small-bore steel tubes (up to 50 mm diameter) with glass. For industrial production of glass-lined steel tubes by the "balloon" method, glass compositions are recommended, the best of which is glass no. 1, consisting of (in %): SiO_2 69, Al_2O_3 1.4, B_2O_3 1, PbO 2, CaO 6.5, MgO 1.3, BaO 1.3, Na_2O 15, K_2O 2.5. This glass contains the scarce and expensive PbO , and CaO 1/2

Glass coatings on...

S/081/62/000/023/070/120
B144/B186

can be replaced by glasses no. 13 (SiO_2 68.3, ZrO_2 2, R_2O_3 3.3, CaO 7.3, MgO 2.3, Na_2O 11.8, K_2O 5) and no. 16 (SiO_2 69.1, B_2O_3 2, CaO 5.5, MgO 3.5, BaO 2, Na_2O 11, K_2O 6.5). [Abstracter's note: Complete translation.] ✓

Card 2/2

KULYAMZIN, M.P.; DEMIDOV, V.I.

Mechanization of the boiler room in the Dmitrov excavator plant.
Stroi. i dor. mashinostr. no.2:24-26 F '57. (MIRA 10:3)
(Boilers)

BROD, I.O., red.[deceased]; KULYANINA, T.A., ved. red.

[New data on the geology and oil and gas potentials of
the Volga-Ural region] Novye dannye po geologii i nefte-
gazonosnosti Volgo-Ural'skoi oblasti. Moskva, ITeInefte-
gaz, 1962. 162 p. (MIRA 17:3)

KULYANITSA, V. A.

Kulyanitsa, V. A. "Arterial blood transfusion under conditions of pre-death agony, death agony and clinical death, caused by shock and loss of blood," Trudy Gospit. khirurg. kliniki (Sverdl. gos. med. in-t), Vol. IV, 1948, p. 226-31

SO: U - 3850, 16 June 53, (Letopis, 'Zhurnal 'nykh Statey, No. 5, 1949)

KULYANITSA, V. A.

Kulyanitsa, V. A. "Treatment of spreading endarteritis," (from clinical data),
Trudy Gospit. khirurg. Kliniki (Sverd. gos. med. in-t), Vol. IV, 1948, p. 289-304

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949)

KULYANITSA, V. A.

Kulyanitsa, V. A. "On the Reno disease and spreading endarteritis of the upper limbs and thoracal sympathectomy during same," Trudy Gospit, khirurg. kliniki (Sverd. gos. med. in-t), VOL, IV, 1948, p. 305-14

SO: U - 3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949)

KULYANITSA, V. A.

Kulyanitsa, V. A. "Amputation of the lower limbs during spreading endarteritis
(Synopsis of materials of the Clinic from 1935-1946)," Trudy Gospit. khirurg.
kliniki (Sverdl. gos. med. in-t), Vol. IV, 1948, p. 325-34

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949)

AFANAS'YEV, V.A.; BYSTROV, V.F.; DEKABRUN, L.L.; KUL'YANOV, Yu.N.;
STEPANYANTS, A.U.

Multipurpose spectrometer of nuclear magnetic resonance.
Zav.lab. 28 no.1:102-103 '62. (MIRA 15:2)

1. Institut khimicheskoy fiziki AN SSSR.
(Spectrometer)

GEL'DERMAN, L.S.; KULYAPINA, E.P.

Effect of upsetting on the macrostructure and mechanical
properties of forgings. Kuz.-shtam.proizv. 1 no.11:1-5
N '59. (MIRA 13:3)

(Forging)

GEL'DERMAN, L.S. kand.tekhn.nauk; KUBYAPINA, E.P. inzh.

Structure and properties of forgings in connection with the
conditions in which they were forged. Metallovedenie 3:349-
357 '59.

(Forging)

(MIRA 14:3)

KULYASH, Yu.V.

Effect of the age of Escherichia coli and Staphylococcus aureus
cultures on the acetylation process. Mikrobiologiya 34 no.2:
236-238 Mr-Apr '65. (MIRA 18:6)

1. Saratovskiy meditsinskiy institut.

SEGEDA, D., inzh.; KULYASHENETS, K., inzh.; KLIMOV, S., inzh.

Electron device for regulating grain drying. Muk.-elev.
prom. 27 no.4:26-28 Ap '61. (MIRA 14:7)

1. Ministerstvo zagotovok RSFSR.
(Grain--Drying)

DOLGIY, V.I., gornyy inzhener, Sadonskiy rudnik; KULYASHOV, F.M., gornyy
inzhener, Sadonskiy rudnik.

Mining thick ore bodies at a great depth by the chamber method
with timbering and filling. Gor. zhur. no.8:72-73 Ag '57.
(Mining engineering) (MLRA 10:9)

MUZAL'KOV, M.I.; KULYASHOV, F.M.; LUGANSKIY, Ye.A.

Underground parallactic traverse measurements with a permanent
base rod. Gor.zhur. no.9:52-55 S '60. (MIRA 13:9)

1. Zadonskoye rudoupravleniye, poselok Mizur Severo-Osetinsloy
ASSR.

(Mine surveying)

KULYASHOV, I.A., inzhynier-mekhanik.

Methods for studying the dynamics of tractors with mounted equipment
Vestsi AN BSSR Ser.fiz.-tekhn. no.1:117-123 '56. (MLRA 9:10)
(Tractors)

Kulyasov, S. M.

The following is among dissertations of the Leningrad Polytechnic Institute imeni Kalinin:

"Investigation of the Heat Exchange Process in an Electric Resistance Furnace." 10 November 1947. Examination of the problem of heat exchange between the heating element and the material in the electric resistance furnace, with consideration of the losses through the wall. A derivation is made regarding the energy parameters which characterize the heat exchange between the band heating element and the material as a function of the design dimensions of the heating element and the loss factor through the wall.

SO: M-1048, 28 Mar56

KULYASHOV, S. M.

USSR/Engineering
Tempering
Heating, Electric

Apr 49

"Power Indexes of High-Frequency Equipment for Dielectric Heating (Tempering)," Docent A. V. Donskoy, S. M. Kulyashov, Cand Tech Sci, A. A. Frumkin, Engr, 3 pp

"Prom Energet" No 4

Problem of applying dielectric method of heating (tempering) as a technological process in industry must be solved separately in each case, with computation of all indexes involving technology, energy, and efficiency. Discusses different technological tasks involving tempering of materials in high-frequency fields, according to which the power necessary for technological objectives will be relatively different. Gives two tables of experimental results.

PA 40/49T49

DONSKOY, Aleksandr Vasil'yevich; KULYASHOV, Sergey Mikhaylovich;
KRYLOV, V.N., doktor tekhn. nauk, retsenzent; SOKOLOV, A.N.,
kand. tekhn. nauk, red.; ZHITNIKOVA, O.S., tekhn. red.

[Electrothermics] Elektrotermiia. Moskva, Gos. energ. izd-
vo, 1961. 311 p. (MIRA 15:2)
(Electric furnaces) (Induction heating)

KULYASHOV, V.F.

Determining the gasoline octane number from small samples.
Trudy BashNII NP no.6:182-185 '63. (MIRA 17:5)

26879
S/081/61/000/013/016/028
B11C/B205

11-7200

AUTHORS: Sychev, R. B., Kulyashov, V. F., Vol'f, M. B., Danilov, I. P.,
Gladkiy, A. M., Savchenko, V. I.

TITLE: The inflammation limits of various pure hydrocarbons at
lowered pressures

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 13, 1961, 525, abstract
13M288 (Tr. Bashkirsk. n.-i. in-t po pererabotke nefiti,
1960, vyp. 4, 113 - 119)

TEXT: The authors determined the inflammation limits of mixtures of
n-heptane, iso-octane (2,2,4-trimethyl pentane) and toluene with air.
The experiments were performed at a temperature of 200°C in a chamber of
70 mm internal diameter and 170 mm length, in which an inflammation device
and a grid for stabilizing the flame were installed. The gas mixture
had a constant velocity of about 10 m/sec in all experiments. The
inflammability of each vapor - air mixture was characterized by: a) the
region range of steady inflammation; b) the region range with individual
extinctions and pulsations of the flame; and c) by the limits of

Card 1/2

The inflammation limits...

26879
S/081/61/000/013/016/028
B110/B205

concentration at which the flame of a previously ignited mixture disrupted. It was shown that the inflammation limits of hydrocarbons with similar physical properties differ due to their different chemical structures, especially in the case of poor mixtures. The limits of inflammability approach each other with decreasing pressure. This is most distinct at a pressure of < 0.5 At at. The minimum limiting pressure limit is 0.21 - 0.22 At at for practically all hydrocarbons investigated. [Abstracter's note: Complete translation.]

Card 2/2

KULYASOV, G.A.

Improve the construction of MS centrifugal pumps and VN
spiral pumps. Ugol' 38 no.6:34-35 Je '63. (MIRA 16:8)

1. Zamestitel' glavnogo inzhenera shakhty No.30 Kombinata
ugol'nykh trestov i predpriyatiy Vorkutskogo rayona.
(Mine pumps)

ARONOV, S.G., doktor tekhnicheskikh nauk; KULYASOV, V.A., inzhener.

Crushing and grinding of coals. Koks i khim. no.2:5-9 '55.
(MLRA 9:3)

1. Ukrainskiy uglekhimicheskiy institut (for Aronov); 2. Giprokoks
(for Kulyasov)

(Coal preparation)

AUTHOR: Kulyasov, V.A. and Toporkov, V.Ya. (UKhIN). 522
TITLE: A new flotation machine for the beneficiation of coal slurries. (Novaya flotatsionnaya mashina dlya obogashcheniya ugol'nogo shlama.)
PERIODICAL: "Koks i Khimiya" (Coke and Chemistry), 1957, No. 4, pp. 17 - 18, (U.S.S.R.)
ABSTRACT: A description and a diagram of the proposed machine is given. In the editorial note it is stated that as the parameters of the machine proposed are not supported by any calculations and experimental data, the paper is published only as a general statement of the problem of developing a flotation machine of a large capacity. There are 2 diagrams.

KULYASOV, V.A.

Production of coke from low-quality bituminous western coals (from
"Coal Age," no.2, 1960). Koks i khim. no 8:54 '61. (MIRA 15:1)
(United States--Coke)

KULYASOV, V.A.

Thermal drying of coal in the United States. Koks i khim.
no.2:58-61 '62.

(MIRA 15:3)

1. Ukrainskiy uglokhimicheskiy institut.
(United States--Coal--Drying)

KULYASOV, V.A.

Coal flotation in foreign countries. Koks i khim. no.3:59-63 '63.
(MIRA 16:3)

1. Ukrainskiy uglekhimicheskiy institut.
(Flotation)

NIKONOVA, N.A., kand.tekhn.nauk; KULYASOVA, V.Ye., inzh.

Technology of sperm oils. Masl.-zhir.prom. 29 no.7:38-41 J1
'63. (MIRA 16:9)

1. Tikhookeanskiy nauchno-issledovatel'skiy institut rybnogo
khozyaystva i okeanogradii.

(Whale oil)

S/070/62/007/003/002/026
E132/E460

AUTHORS: Kolontsova, Ye.V., Kulyavik, A.

TITLE: The influence of X-radiation on the structure of
crystals of the NaCl type

PERIODICAL: Kristallografiya, v.7, no.3, 1962, 353-357 + 2 plates

TEXT: Changes in the structures of crystals of the NaCl type observed after irradiation with X-rays are qualitatively analogous to the changes produced in crystals by neutron irradiation. Point defects appear statistically distributed throughout the volume of the crystal. On the surface of the irradiated crystal, orthogonal bands limited by the form {100} are observed, evidently as a result of the accumulation of vacancies. In the irradiated crystals, two-dimensional disturbances appear which are oriented in the planes {100} and possibly also in the planes {130}. Pairs of blocks were used, cleaved from the same crystal; one was irradiated with X-rays from a Mo target at 10 mA, 47 kV and periods of 5 to 2000 hours; the other was kept as a control. Defects were shown by X-ray anomalous scattering methods (using monochromatic Mo radiation)
Card 1/2

The influence of X-radiation ...

S/070/62/007/003/002/026
E132/E460

as developed by S.S.Kvitka (Kristallografiya, v.4, no.1, 1956, 485). Selective etching was also used. NaCl, KCl and LiF crystals were studied. In NaCl, after about 2000 hours irradiation, the diffuse maxima increase with respect to the Bragg reflexions by about 15 to 18%. There are 4 figures and 1 table.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet
im. M.V.Lomonosova (Moscow State University
imeni M.V.Lomonosov)

SUBMITTED: July 5, 1961

Card 2/2

KOLONTSOVA, Ye. V.; KULYAVIK, A.

Effect of X rays on the structure of NaCl type crystals.
Kristallografiia 7 no.3:353-357 My-Je '62.

(MIRA 16:1)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

(Dielectrics, Effect of radiation on)
(X-ray crystallography)

KULYAVIN, V.I.

11(0)

p.2

SOV/93-58-9-14/17

AUTHOR: Dubinskiy, L.

TITLE: Conference of Ukrainian Oilwell Drillers and Prospectors
(Soveshchaniye burovikov-nefterazvedchikov Ukrainy)

PERIODICAL: Neftyanoye khozyaystvo, 1958, Nr 9, pp 67-68 (USSR)

ABSTRACT: A conference of Ukrainian oilwell drillers and prospectors was convened in Kiev in May 1958. The conference was organized by the Glavgeologiya Administration, the NTO Administration of the petroleum industry, and the Gosplan of the UkrSSR. The conference was attended by 200 delegates from trusts, drilling departments, scientific research institutes, and from the Ministerstvo geologii i okhrany nedr SSSR (USSR Ministry of Geology and Conservation of Mineral Resources), the Gosudarstvennyy nauchno-tekhnicheskiy komitet pri Sovete Ministrov UkrSSSR (State Scientific and Technical Committee attached to the Council of Ministers of the UkrSSR), the Gosplan of the UkrSSR, the VNIIBurovaya tekhnika (VNII Institute of Drilling Engineering), and the Giproneftemash Institute. The conference heard a report on the plan for increasing

Card 1/3

11(0)

SOV/93-58-9-14/17

Conference of Ukrainian Oilwell Drillers (Cont.)

the gas and oil reserves of the UkrSSR in 1958-65, and on the 1957-58 prospecting results. P.F. Nadezhin pointed out the shortcomings in the work of the Glavgeologiya Administration and discussed the basic problems facing the administration in 1958. V.I. Kulyavin, Chief Engineer of the Glavgeologiya Administration, stated that the most important achievements of the Glavgeologiya Administration in 1957 and the first five months of 1958 are: 1) the determination for the first time that the Triassic and Permian rock formations in Ukrainian territory contain oil reserves in commercial quantities, 2) the development of high-production free flowing wells in the Dnepr-Donets Depression, and 3) and the considerable increase in the area of oil and gas bearing formations of commercial value in the eastern oblasts of the Ukraine. V.I. Kulyavin also pointed out the shortcomings in the work of the Glavgeologiya Administration but noted that individual drilling foremen of the Ukrvostoknefterazvedka Trust achieved high rates

Card 2/3

11(0)

SOV/93-58-9-14/17

Conference of Ukrainian Oilwell Drillers (Cont.)

at the Chernukhinskaya and Zachepilovskaya reservoirs, as well as at the Indol'skaya reservoir of the Ukrneftegazorazvedka. The conference resolved to improve the prospecting and drilling work and approved the activity program for the coming years.

Card 3/3

KULYAVIN, V.I., otv. za vypusk

[Prospecting for mineral resources in the Ukraine] Razvedka
nedr Ukrainy. Kiev, 1959. 46 p. (MIRA 15:4)
(Ukraine—Petroleum geology)
(Ukraine—Gas, Natural—Geology)

KULYAVIN, V.I.

Increasing the rates of deep drilling. Neft. i gaz. prom.
no.2:34-36 Ap-Je '62. (MIRA 15:6)

1. Glavnoye geologicheskoye upravleniye USSR.
(Boring)

KULYAVIN, V.I.; SKRYNNIK, V.I.

Innovators help drillers. Neft. i gaz. prom. no.1:62 Ja-Mr '64.
(MIRA 18:2)

KULYAVIN, V.I.; PONYAKOVSKIY, V.I.

Economic efficiency in the use of diamond bits in the enterprises of the Main Geological-Prospecting Administration of the Ukrainian S.S.R. Neft. i gas. prom. no.3:17-19 JI-S '64.

Conference for the exchange of the latest views on the drilling of oil and gas wells. Ibid.:97 (MIRA 17:12)

KULYAVIN, V.I.

Overload safety device for drilling rigs. Neft. i gaz.prom. no.1:68-
(MIRA 18:8)
(3) Ja-M. '65.

BOUYAVIN, V.I.

Eliminating an open gasser. Razved. i otkr. nefti 31 no. 1964-16
Ja '65. (MIRA 18:3)

1. Glavnoye upravleniye geologii i okhrany nefti pri Sovete Mi-
nistrov UkrSSR.

VAKHNOVSKIY, S.S.; ZASTYRETS, M.V.; KULYAVTSEV, V.I.; REZNIK, A.F.;
SLOBODINSKIY, Kh.Ya.

Assembly conveyer with driers. Leg.prom.17 no.9:41-42 S '57.
(MIRA 10:12)
(Shoe industry) (Conveying machinery)

KULYAVTSEV, V.I.

VAKHNOVSKIY, S.S.; ZASTYRETS, M.V.; KULYAVTSEV, V.I.; REZNIK, A.F.;
SLOBODINSKIY, Kh.Ya.

New design of shoe drying stands. Leg. prom. 18 no.2:31-32 P '58.
(Shoe manufacture) (Drying apparatus) (MIRA 11:2)

NOVIKOV, A.K., starshiy nauchnyy sotrudnik; Prinsipali uchastiye: KULYAVTSEVA,
G.P.; PODOBEDOV, S.M.; MURAV'YEVA, L.A.

Determining the basic parameters of the structure of hollow
cops. Nauch.issl.trudy TSNIILV 12:71-103 '59. (MIRA 15:8)
(Yarn) (Winding machines)

KULYAVTSEVA, G.I., glazhnyy mašinnyy stroitel'stvo; SUBROVINA, N.A., tekhnik

Preliminary testing of the "MIRA" (France) make
circular loom in the manufacture of cotton fabrics. Nauch.-issl.
trudy TERNIK 15:98-910 1971. (MIRA 18:4)

POPOV, V.A.; SMIRNOV, R.N.; KULYAY, Z.T.; KONDRAT'YEVA, V.A.

Preparation of heat-resistant polymer materials by pyrolysis
methods. Foam graphites. Plast. massy no.12:18-21 '62.

(MIRA 16:1)

(Polymers--Thermal properties) (Pyrolysis)

KULYAYEV, V.

Harvesting low millet in separate stages. MTS 18 no.8:23-26 Ag '58.
(MIRA 11:9)

1. Stalingradskiy sel'skokhozyaystvennyy institut.
(Millet-- Harvesting)

KULYBEKOVA, G.F.

Some late results for the mother following labor in case of
pelvic presentation. Sov. zdrav. Kir. no.3:23-27 My-Je'63.
(MIRA 16:9)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. I.I.
Kaganovich) Karagandinskogo gosudarstvennogo meditsinskogo
instituta (rektor - dotsent P.M.Pospelov)
(LABOR, COMPLICATED)

KULYBEKOVA, G.F.

Stillbirth in pelvic presentation. Zdrav. Kazakh. 23 no.4:25-27
'63. (MIRA 17:5)

1. Iz kafedry akusherstva i ginekologii (zaveduyushchiy - prof.
I.I. Kaganovich) Karagandinskogo gosudarstvennogo instituta.

KULYEV, G. K.

"Raising Lambs of Azerbaydzhan Mountain Merino Sheep Under Summer Pasture Conditions." Cand Agr Sci, Moscow Agricultural Acad imeni K. A. Timiryazeva, Moscow, 1953. (RZhBiol, No 2, Sep 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

So: Sum. No. 481, 5 May 55

KULYEV, G. S. } GADZHIYEV, K. Sh.

Azerbaijani Scientific-Research Veterinary
Institute, Veterinary Surgeon.

"Hoof [claw] disease of cattle."

Veterinariya, Vol. 38, No. 1, p. 54, 1961.

KULYGIN, B. A.

Kulygin, B. A. -- "Peculiarities of the Planning of Ports on Large Reservoirs." Min Higher Education USSR, Moscow Order of Labor Red Banner Engineering Construction Institute V. V. Kuybyshev, Moscow, 1955 (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No 24, 11 June 1955, Moscow, Pages 91-104

KULYGIN, B.A.

KULYGIN, B.A., kand.tekhn.nauk

Determining the width and number of entrances to ports in river
and dam basins. Sbor.trud.MISI no.20:120-124 '57. (MIRA 10:11)
(Harbor)

SOV/124-58-10-11170

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 10, p 66 (USSR)

AUTHORŠ: Gratsianskiy, M. N. , Kulygin, B. A.

TITLE: Wave Action on Overflow Dams of Practical Shape (Deystviye voln na vodoslivnyye plotiny prakticheskogo profilya)

PERIODICAL: Sb. Tr. Mosk. inzh. -stroit. in-t, 1957, Nr 20, pp 149-168

ABSTRACT: The influence of waviness in the head-water basin on the water discharge rate through the spillway is described according to experimental investigations carried out under variable head conditions and different spillway flow into the tail-water basin. It is shown that maximum wave pressure upon the spillway gate obtains when the orifice is fully closed, viz. . when the gate is lowered completely. Under these conditions the wave pressure can surpass by 50 or more percent the pressure existing under calm-surface conditions. To prevent icing of the gate in winter due to waves spilling over the gate it is recommended that the top of the gate and the height of areas that should not be flooded be raised above the calm-surface level by a height equal to the sum of the wave height, the reach of the waves, and the rise of the mean wave line. Spillway discharge

Card 1/2

SOV/124-58-10-11170

Wave Action on Overflow Dams of Practical Shape

per second under wavy conditions can exceed the maximum calculated discharge by as much as 60%. Even under minimum gate opening the waves penetrate into the tail-water basin and impair considerably the energy dissipation of the flow and the conditions for the approach and mooring of ships. To minimize the wave pressure on the gates and the waviness in the tail-water basin, specially designed energy dissipators are recommended, such as pneumatic, solid, and ribbed visor (surface-skimming) types.

B. A. Pyshkin

Card 2/2

SOV/98-58-12-9/21

AUTHOR: Kulygin, B.A., Candidate of Technical Sciences

TITLE: The Flow of Water Over the Top of Water Gates, When the Water is Agitated (Pereplesk vody cherez greben' zatvorov pri volnenii)

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1958, Nr 12, pp 37 - 40 (USSR)

ABSTRACT: This is a theoretical calculation to determine the necessary height of water gates in the projecting of overflow weirs to avoid icing and loss of water through overflow. There are 6 graphs.

Card 1/1

NIKEROV, P., dotsent; KULYGIN, B.

Twentieth International Congress on Navigation. Mor. flot
22 no.3:40-41 Mr '62. (MIRA 15:2)

1. Kafedra vodnykh putey i portov Odesskogo instituta
inzhenerov morskogo flota (for Nikerov). 2. Nachal'nik
otdela gidrotekhnicheskikh sooruzheniy Gosudarstvennogo
proyektno-konstrukorskogo i nauchno-issledovatel'skogo
instituta morskogo transporta (for Kulygin).
(Navigation--Congresses)

LEVIN, B.I.; ROZENBERG, V.M.; YAKOVLEV, P.A.; KORF, Z.G.; KULYGIN, B.A.;
PETROV, G.I.

Unification of structures of sea and river mooring installations. Transp. stroi. 15 no.9:39-42 S '65. (MIRA 18:11)

1. Gosudarstvennyy proizvodstvennyy komitet po transportnomu stroitel'stvu SSSR (for Levin). 2. Gosudarstvennyy institut proyektirovaniya i izyskaniya na rechnom transporte (for Yakovlev, Korf). 3. Gosudarstvennyy proyektno-konstruktorskiy i nauchno-issledovatel'skiy institut morskogo transporta (for Kulygin, Petrov).

L 42922-66 ENT(m)/ENP(t)/ETI LJP(c) JD/JT
ACC NR: AP6029056 SOURCE CODE: UR/0413/66/000/014/0082/0082

INVENTOR: Averchenko, P. A.; Alekseyenko, M. F.; Babakov, A. A.; Babitskaya, A. N.;
Batrakov, V. P.; Bondarenko, A. L.; Gabuyev, G. Kh.; Yel'tsov, K. S.; Kulygin, G. V.;
Loia, V. N.; Orehov, G. N.; Pridantsev, M. V.; Sklyarov, P. I.; Smolyakov, V. F.;
Soroko, L. N.; Solov'yev, L. L.; Frantsov, V. P.; Shamil', Yu. P.; Moshkevich, Ye. I.;
Natanov, B. S. 53
13

ORG: none

TITLE: Stainless steel. Class 40, No. 183947.

SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 82

TOPIC TAGS: stainless steel, chromium titanium steel, molybdenum containing steel,
nitrogen containing steel, titanium containing steel 16

ABSTRACT: This Author Certificate introduces a stainless steel containing
chromium, molybdenum, and nitrogen. In order to improve weldability, the steel has
the following composition: 0.08% C, up to 0.8% Mn, up to 0.8% Si, 15-18% Cr,
0.2-0.6% Mo, 0.04-0.15 N, 0.4-1.2% Ti, up to 0.035 S, and up to 0.030 P. [WW]

SUB CODE: 11/ SUBM DATE: 30Jan65/ARA PRESS: 1965

Card 1/1 *lth*

UDC: 669.14.018.8: 669.15'26-194

L 46602-66 EWP(e)/E/T(m)/T/EWP(t)/ETI IJP(c) JD/WH

ACC NR: AP6012839

(A)

SOURCE CODE: UR/0080/66/039/004/0736/0743

AUTHOR: Budnikov, P. P.; Sokhatskaya, G. A.; Kulygin, I. P.

ORG: None

TITLE: Conditions of crystallization and certain properties of electros melted cordierite castings

SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 4, 1966, 736-743

TOPIC TAGS: crystallization, aluminum silicate mineral, *magnesium compound, metal casting*

ABSTRACT: The processes of crystallization and solidification of a magnesium aluminosilicate melt close to cordierite in composition were studied in order to obtain dense cordierite products with predetermined properties. The structure and phase composition of the castings were determined with an MP-3 polarizing microscope and URS-501 x-ray apparatus. Processes of cordierite formation were also followed by measuring the thermal expansion coefficient. In addition, the castings were subjected to thermal and physicomachanical tests. It was found that the properties of the final crystallization product can be varied by changing the conditions of crystallization and solidification. A product with a given set of properties can be obtained by introducing mineralizers and controlling the average temperature of the surface of the casting during the solidification stage. High-strength heat-stable magnesium

Card 1/2

UDC: 666.9+542.65

X. 14-02-65

ACC NR: AP6012839

aluminosilicate products can thus be obtained by combining the following methods: (a) introducing Na_2SiF_6 along with ZrSiO_4 as mineralizers which reduce the internal stresses in the castings and promote the formation of a more regular and fine-grained structure; (b) insuring the optimum crystallization temperature and optimum cooling rate by preheating the molds to 900—1000C before filling them, maintaining a temperature of 1000—1100C in the crystallization furnace, then furnace-cooling the casting at an average rate of 40 degrees per hour. Orig. art. has: 6 figures, 2 tables, and 3 formulas.

SUB CODE: //, 20/ SUBM DATE: 22Sep65 / ORIG REF: 020 / OTH REF: 013

Card 2/2 afs

ANDREYEVA, O.A.; KULYGIN, M.F.

Unit for rectification of tall oil. Gidroliz. i lesokhim. prom.
16 no.7:31-32 '63. (MIRA 16:11)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy
leskohimicheskoy promyshlennosti.

KULYGIN, M.F.

Planning and designing of wood-rosin plants. Gidroliz. i lesokhim.
prom. 16 no.1:31-32 '63. (MIRA 16:2)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy
lesokhimicheskoy promyshlennosti.
(Oleoresins)

KULYGIN, M.F.

Arrangement of the technological equipment of wood processing enterprises in the open. Gidoliz. i lesokhim. 18 no.2:30 '65.
(MIRA 18:5)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy lesokhimicheskoy promyshlennosti.

Kulygin, m.m.

8(2)

AUTHOR: Osadchenko, N. I., Engineer

SOV/105-59-10-21/25

TITLE: Conference on the Results and Prospects of the Development of Soviet Relay Construction

PERIODICAL: Elektrichestvo, 1959, Nr 10, pp 86-87 (USSR)

ABSTRACT: An All-Union Scientific-technical Conference was held at Cheboksary from July 7 to 11, 1959. It dealt with the results obtained in relay construction during the last nine years. Furthermore, the prospects of the further development of relay construction, and the protection and automation of electric installations were outlined. The Conference was attended by representatives of scientific research institutes, planning institutes and colleges, special laboratories, planning organizations, of the Soyuzglavenergo (All-Union Main Power Administration) and a number of power systems. The representatives of the Cheboksarskiy elektroapparatnyy zavod (Cheboksary Plant for Electric Apparatus) M. M. Kulygin and M. B. Tsfasman reported on the achievements of the Plant in the modernization and the development of new highly sensitive and high-speed relays and protective circuits. V. L. Fabrikant, Candidate of Technical Sciences, spoke

Card 1/3

Conference on the Results and Prospects of the
Development of Soviet Relay Construction

SOV/105-59-10-21/25

"Developments in Foreign Relay Construction". Professor I. A. Syromyatnikov, Doctor of Technical Sciences, spoke about his impressions from a tour to the United States and delivered a report on "The Ways of Further Development of Soviet Power Engineering". Engineer V. M. Yermolenko spoke about "The Principles Underlying the Design of Complicated Alternating Control Circuit Protective Devices". M. I. Tsarev, Candidate of Technical Sciences, spoke about the work of the VNIIE for the development of power-supply units. Ye. D. Sapir, Candidate of Technical Sciences, delivered a speech "On the Usefulness of Developing Protective Devices With a Sensitive Electromechanical Element". Engineer Yu. A. Gayevenko: "Prospects of the Development of Relay Protection With Semiconductors". Engineer V. I. Grinshteyn reported on the development of the resistor- and power relays with semiconductors. Professor A. D. Drozdov, Doctor of Technical Sciences, spoke about the prospects of further employment of saturated steels in relay construction. The manufacture of large oil- and air circuit breakers by the plants "Elektroapparat" and "Uralelektroapparat" was sharply criticized. The Conference pointed out that automatic frequency- and power controllers,

Card 2/3

Conference on the Results and Prospects of the
Development of Soviet Relay Construction

SOV/105-59-10-21/25

grouped installations for excitation and power control, modern automatic synchronizers, and automatic regulators for the batteries of static condensers which are indispensable in the full automation of electric installations have not yet been provided for in the Soviet manufacturing program.

Card 3/3

KULYGIN, N.

Sidetracking in a six inch casing. Nev.neft.tekh.:Bur. no.3:[1.e.2]:
1;3 1/4. (Oil well drilling) (MLRA 9:4)

NIKEROV, Pavel Stepanovich; KULYGIN, P.A., red.; ANDREYEVA, L.S. red.
izd-va; LAVRENOVA, N.B., tekhn. red.

[Hydraulic breakwaters] Gidravlicheskii volnolom. Moskva, Izd-vo
"Morskoi transport," 1961. 83 p. (MIRA 15:6)
(Breakwaters)

S/048/60/024/012/011/011
B019/B056

AUTHORS: Bolotin, L. I., Klyucharev, A. P., Kulygin, Yu. F.,
Ranyuk, Yu. N., Rebutskiy, Ye. I., Rutkevich, N. Ya.

TITLE: Interaction of Carbon Ions With Photoemulsion Nuclei²⁷₁₉

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1960,
Vol. 24, No. 12, pp. 1502-1504

TEXT: The present paper was read at the 10th All-Union Conference on Nuclear Spectroscopy, which was held in Moscow from January 19 to January 27, 1960. A photoplate was bombarded with carbon ions of up to 110 Mev incident at an angle of 25° . The emulsion consisted of light elements (carbon, nitrogen and oxygen), and heavy elements (bromine and silver). Disintegrations with an emission of charged particles (protons, α -particles and heavier fragments) were observed. As it turned out, the star production threshold is near the Coulomb potential barrier of the heavy nuclei and considerably above that of the light nuclei. Only 300 particles of the 1300 charged particles observed in the reaction were simply charged. Most of the reactions proceeded under the emission of a

Card 1/2

Interaction of Carbon Ions With
Photoemulsion Nuclei

S/048/60/024/012/011/011
B019/B056

fragment which was considerably heavier than the α -particle. The emission of an α -particle is considered to be the result of the direct interaction between the incident particle and a target nucleus. This direct interaction is studied by means of the α -particle model introduced by Ye.V. Inopin. Inopin considered a beryllium nucleus to be a dumbbell consisting of two α -particles and weakly coupled by a neutron. A carbon nucleus is considered to be an equilateral triangle, in whose corners there are α -particles. He further considers an oxygen nucleus to be a tetrahedron, in whose corners there are α -particles. It may be seen that when studying nuclear reactions occurring during the interaction between heavy nuclei and α -correlating nuclei, the α -particle may be used. There are 2 figures, 1 table, and 2 Soviet references ✓

ASSOCIATION: Fiziko-tekhnicheskiy institut Akademii nauk USSR
(Institute of Physics and Technology of the Academy of
Sciences USSR)

Card 2/2

33149

S/120/61/000/006/017/041
E032/E114

26,2310

AUTHORS: Bolotin, L.I., Markin, P.S., Kulygin, Yu.F.,
Skoromnyy, G.M., and Meleshkov, S.I.

TITLE: A spark source of multiply charged ions

PERIODICAL: Priory i tekhnika eksperimenta, no.6, 1961, 88-90

TEXT: A.A. Plyutto, K.P. Kervalindze and I.F. Kvartskhava
(Ref.2: Atomnaya energiya, v.3, no.8, 1957, 153) have described
a spark source producing large currents of multiply charged ions
of various elements with a total ion current of 1 amp. The aim
of the present work was to improve the spark source so that it
can be used to obtain large currents of N^{+4} and C^{+4} , suitable
for injection into a linear accelerator. The source is
illustrated schematically in Fig.1 and differs from that
described in Ref.2. The spark discharge takes place in the AlN
channel, which means that one can use both positive and negative
half-periods of the oscillatory circuit supplying the spark, and
exclude ions of elements present in the porcelain tube. During
a high-power discharge, the products of decomposition of AlN

Card 1/5

33149

A spark source of multiply charged... S/120/61/000/006/017/041
E032/E114

are ionized and set up a pressure in the channel, which ejects the plasma into the solenoid. The discharge current passing through the solenoid produces an axial magnetic field which prevents ion diffusion in the plane perpendicular to the magnetic field. The ions are extracted by a voltage of 15 to 20 kV. The beam is then focussed by an electrostatic lens and is accelerated to 50 keV. The pressure in the system is maintained at 10^{-6} mm Hg. It was found that with a frequency of 10 kc/sec the following currents could be produced:

200 μ A (C^{+3}), 300 μ A (C^{+3}), 300 μ A (N^{+3}), 200 μ A (O^{+3}). At $f = 5 \times 10^5 - 10^6$ cps (spark length 10-15 μ sec) the ions N^{+4} and N^{+5} were found to appear. Fig. 2 shows a typical spectrum obtained with $V_c = 38$ kV, $L = 5$ μ H and $C = 0.02$ μ F.

The ion spectrum obtained from the spark source contains 22 components and 30% of the total current is due to nitrogen ions. The energy spread of the ions is about 2 to 3 keV and depends on the spark discharge potential difference. The performance of the source depends on the number of pulses which it has produced. After 10^6 pulses the total ion current decreases by a factor of 5
Card 2/7

33119

A spark source of multiply S/120/61/000/006/017/041
E032/E114

The maximum current which can be obtained with the AlN discharge channel is 15 mA. The source produced 100 μ A of N^{+4} in a pulse of 15 μ sec and 300 to 500 μ A of N^{+3} and C^{+3} in a pulse of 500 μ sec. The power consumed by the source and the ion-optical system is 500 W. The present results differ from those reported in Ref.2. The difference is ascribed to the fact that the present authors measured the true current (i.e. the current beyond the focusing system and the accelerating tube). There are 4 figures and 5 references: 2 Soviet-bloc and 3 non-Soviet-bloc. The English language references read as follows:

- Ref. 3: W. Bleakney, Phys.Rev., 1929, v.34, 157.
- Ref. 4: W. Bleakney, Phys.Rev., 1930, v.35, 139.
- Ref. 5: W. Bleakney, Phys.Rev., 1930, v.36, 1303.

SUBMITTED: April 28, 1961

Card 3/5/3

S/903/62/000/000/025/044
B102/B234

AUTHORS: Klyucharev, A. P., Rutkevich, N. Ya., Ranyuk, Yu. N.,
Solotin, L. I., Kulygin, Yu. P., Revutskiy, Ye. I.

TITLE: Nuclear reactions induced by heavy ions

ABSTRACT: Yasnnyye reaktsii pri malykh i srednikh energiyakh; trudy
Vsesoyuznoy konferentsii, iyul' 1960 g. sd. by
A. S. Davydov and others. Moscow, Izd-vo AN SSSR, 1962, 329-333

NOTE: Nuclear photoemulsions NIKFI (type D) were irradiated by
carbon (11 Mev) and beryllium ions (84 Mev) and then subjected to micro-
scopic scanning. On the average 2200 Be ions (or 4400 C ions) were
necessary for producing one star. A total of 130 stars due to Be and of
140 due to C ion bombardment were analyzed. The events may be attributed
to two groups: collisions with light (C, N, O, H) and heavy (Br, Ag) nuclei,
and among them to three groups: production of singly-, doubly, or multiply
charged particles. Since it was not possible to identify the prongs the
stars were analyzed on the basis of the particle evaporation from compound
nuclei. The reaction products were alphas and protons with $a/p = 10$ for
light and $a/p \approx 20$ for heavy nuclei. For C, N, O + C the main reactions were
Card 1/2